Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/23/2021 08:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123867	-1	1.15	123726	1.15
Blue	F	SSC	125000	122912	-2	2.44	123111	2.25
Blue	E	FITC	13131	12713	-4	2.19	293	15.19
Blue	D	PE	24112	23777	-2	1.56	545	10.90
Blue	B	PerCP-Cy5-5	31295	30510	-3	3.00	1010	14.28
Blue	A	PE-Cy7	19939	19564	-2	5.21	518	28.67
Red	C	APC	42122	41877	-1	2.95	1751	11.29
Red	A	APC-Cy7	22340	21803	-3	3.33	814	11.82
Violet	B	V450	7410	7079	-5	3.80	430	12.49
Violet	A	V500	28118	26791	-5	3.42	667	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22965	1.00	565	-4	N/A	N/A	Pass
Blue	F	SSC	57263	1.03	516	4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0462	160	Pass
Blue	D	PE	114	37.06	487	-1	0.3807	276	Pass
Blue	B	PerCP-Cy5-5	187	35.08	582	-4	0.0206	55	Pass
Blue	A	PE-Cy7	104	67.02	624	-4	0.0230	1	Pass
Red	C	APC	405	23.48	578	2	0.0284	156	Pass
Red	A	APC-Cy7	181	27.05	552	1	0.0059	577	Pass
Violet	B	V450	61	63.15	452	-1	0.0662	2546	Pass
Violet	A	V500	97	34.48	463	-2	0.0276	1002	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.64	-31.37	1.13
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.48	13.60 - 20.40	N/A	N/A	29.88	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15471

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments